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(54) RESIST COMPOSITION FOR COLUMN SPACER OF LIQUID CRYSTAL DISPLAY ELEMENT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a resist composition for the column spacers of a liquid crystal display element.

SOLUTION: The resist composition contains 10-40 pts.wt. binder resin selected from the group comprising a binder resin of formula (1), a binder resin of formula (2) and a mixture of these, 1-20 pts.wt. polyfunctional monomer having an ethylenically unsaturated bond, 1-10 pts.wt. photoinitiator and 0.001-0.1 pt.wt.

epoxy-containing silicon compound. The resist composition is excellent in heat resistance, can form a pattern in an appropriate thickness when the column spacers of a liquid crystal display element are formed and has good flatness and resolution, a good residual film rate and good pattern stability.

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